

Advanced Programming Concepts - grading

November 21, 2022

Grading

There are 25 points to be scored for your topic deliverables:

- Presentation
- Code
- Prose (report or videos)

If a written part is in a format other than *markdown*, *reStructuredText* or *latex* it will be automatically graded as *not meeting the requirements* and awarded 0 points. The only exception from this rule is when other form was agreed upon with one of the instructors.

If there is no code part submitted, the whole topic will be graded as *not meeting the conditional requirements*. 0 points will be awarded for the whole topic in such a case.

Grade

There are three graded items, presentation, code and prose. Each item gives a maximum of 10 raw points. The items are graded by:

Item	Instructors	Peers	Total
Presentation	10	10	20
Code	10	—	10
Prose	10	10	20

Items are graded by two instructors and two peers, awarded points are averages of the two graders.

The total number of points, 50, is divided by two to produce the final score for the topic.

Grading rubrics

All the items in the grading rubrics are assessed using the following scale:

Performance	Fraction of points
Unsatisfactory	0
Marginal	30%
Satisfactory	55%
Good	80%
Excellent	100%

That means that if an item is worth 2 points and *Performance* on this item is assessed as *Satisfactory*, $0.55 * 2 = 1.1$ points will be awarded for it.

Presentation—instructor and peer (10 points)

For the presentation the following items are graded:

#	Item	Points
1	The presentation properly introduces the concept/ problem/ research questions	2
2	The presentation clearly shows what the studied concept is useful for, why it's important or applicable to programming practice	2
3	The presentation explains the basics of the studied concept well, touching the most relevant points	2
4	The presentation shows usage examples or typical applications supported by code examples if appropriate	2
5	After listening to the presentation a member of the audience has a clear picture of the presented topic	2

Item 5 is graded using the general scale and criteria that fit the performance levels. For the assessment of item 1-4 the following criteria are used:

Performance	Fraction of points	Description
Unsatisfactory	0	An item is not present at all or so poorly delivered that it doesn't contribute to the overall message.
Marginal	30%	An item is somewhat present and a very interested audience could possibly learn something from it, yet many things are left unclear.
Satisfactory	55%	An item is present but its treatment is very superficial.
Good	80%	An item is well presented and informative for general or expert audience.
Excellent	100%	An item is very well presented and informative. A member of the audience

Code—instructors only (10 points).

Notice that code can form an integral part of a report or can be included separately as a project or a loose collection of snippets. If no code at all is submitted 0 points are awarded for this section.

For code, the following items are graded:

Item	Points
Code is clean, well-formatted and adheres to one coding style	2
Names are informative, comments are written when necessary	2
Code demonstrates the studied concepts	6

For the assessment the following criteria are used:

Performance	Fraction of points	Description
Unsatisfactory	0	An item is not present at all
Marginal	30%	An item is somewhat present, some goals are not met

Performance	Fraction of points	Description
Satisfactory	55%	An item is present but its treatment is very superficial, some of the goals are not met
Good	80%	An item is well presented and well executed, all the goals are met, some could be done better
Excellent	100%	An item is very well presented and demonstrated proficiency beyond the agreed goals

Prose/ videos–instructor and peer (10 points)

This part can be done in various forms, a series of *blog posts*, a tutorial of vlog entries. Nevertheless, the following items are used for **instructors' assessment**:

Item	Points
Formatting and layout/ editing are clean and make reading/ watching easy	1
The concept/ problem/ research question is properly introduced	1
It is clear what the studied concept is useful for, why it's important or applicable to programming practice	1
The basics of the studied concept are explained well, most relevant points are touched. It is clear that authors know what they write/ talk about	4
Usage examples or typical applications are shown/ given.	2
Appropriate references are used for the chosen form (links, bibliography, references to other videos, sites)	1

For **instructor's assessment** the following criteria are used:

Performance	Fraction of points	Description
Unsatisfactory	0	An item is not present at all or so poorly delivered that it doesn't contribute to the overall message. Bad language use, spelling and grammar mistakes, etc.
Marginal	30%	An item is somewhat present and a very interested audience could possibly learn something from it. Grammar, spelling or language aren't good but they don't disturb reading experience.
Satisfactory	55%	An item is present but its treatment is very superficial. No errors, some poor choice of words.
Good	80%	An item is well presented and informative for either general or expert audience. Very good use of language.
Excellent	100%	An item is very well presented and informative for both general and expert audience. Mastery of the studied concept is clearly demonstrated. No mistakes, expert use of vocabulary.

For **peer assessment** the following items are used:

Item	Points
The form is visually attractive. Formatting, editing, graphics, layout make the reception of the information easy.	2

Item	Points
After reading/ watching I know what this topic/ concept is about, why it is important, and what are its use cases.	2
While or after reading/ watching I would be able to follow the tutorial and reproduce the step, there was sufficient information given to do so.	4
After reading/ watching I have enough information to follow-up on the tutorial and know what I have to look for when I want to take next steps.	2

For **peer assessment** the following criteria are used:

Performance	Fraction of points	Description
Unsatisfactory	0	Not at all! I totally disagree with this statement.
Marginal	30%	Barely. I'm still not sure what this what about ~ I couldn't really follow the steps ~ The form wasn't really that good.
Satisfactory	55%	Somewhat. I have a vague feeling what this was about ~ I had problems following some steps ~ The form was average.
Good	80%	Well done. I know what this was about ~ I could reproduce most steps with minor hick-ups ~ The from was good, made it pleasure to watch or read.
Excellent	100%	Unbelievable! I could now tell you what this was about ~ I could follow all the steps and there was extra info in case of problems ~ I wish I was that good with making my content visually appealing.